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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|--------------------|
| 10/600,808 | 06/20/2003 | Curtiss Renn | NPW 347 | 9258 |
| 23581 | 7590 | 07/26/2005 | EXAMINER | |
| KOLISCH HARTWELL, P.C. 520 S.W. YAMHILL STREET SUITE 200 PORTLAND, OR 97204 | | | | RIDLEY, BASIA ANNA |
| ART UNIT | | PAPER NUMBER | | |
| | | | | 1764 |

DATE MAILED: 07/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------------|--|-----------------------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 10/600,808  Basia Ridley | RENN, CURTISS Art Unit 1764 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) ____ is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) 1-41 are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. ____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

a) This application contains claims directed to the following patentably distinct species of the catalyst:

Species a-1, wherein the catalyst comprises zinc oxide, but does not comprise copper oxide, as disclosed on P10/L12-P11/L19 and P13/L3-16;

Species a-2, wherein the catalyst comprises zinc oxide and chromium oxide, but does not comprise copper oxide, as disclosed on P10/L12-P11/L19 and P13/L3-16;

Species a-3, wherein the catalyst comprises zinc oxide and calcium aluminate, but does not comprise copper oxide, as disclosed on P11/L20-P12/L11 and P13/L3-16; and

Species a-4, wherein the catalyst comprises iron oxide, but does not comprise copper oxide, as disclosed on P12/L12-P13/L1-16.

b) Further, this application contains claims directed to the following patentably distinct species of the fuel processing system:

Species b-1, wherein the fuel processing system comprises a fuel reforming region, but does not comprise a separation region or polishing region, as disclosed on P14/L15-16;

Species b-2, wherein the fuel processing system comprises a fuel reforming region and a separation region, but does not comprise polishing region, as disclosed on P14/L15-P19/L18 and Fig. 1;

Species b-3, wherein the fuel processing system comprises a fuel reforming region, a separation region and a polishing region, as disclosed on P19/L19-P21/L9 and Fig. 2; and

Species b-4, wherein the fuel processing system comprises a fuel reforming region and a polishing region, but does not comprise separation region, as disclosed on P14/L15-16 and P20/L13-15.

c) Further, this application contains claims directed to the following patentably distinct species of the separation region:

Species c-1, wherein the separation region comprises membrane, as disclosed on P15/L19-P16/L22;

Species c-2, wherein the separation region comprises pressure swing absorption, as disclosed on P17/L1-P18/L8; and

Species c-3, wherein the separation region comprises chemical process, as disclosed on P18/L9-P19/L.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species (either a-1 or a-2 or a-3 or a-4 and either b-1 or b-2 or b-3 or b-4 and either c-1 or c-2 or c-3) for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims appears to be generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement (either a-1 or a-2 or a-3 or a-4 and either b-1 or b-2 or b-3 or b-4 and either c-1 or c-2 or c-3), and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. A telephone call was made to Mr. David D'Ascenzo on 18 July 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

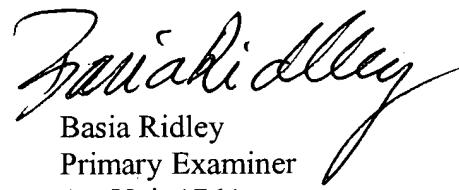
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Basia Ridley, whose telephone number is (571) 272-1453.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on (571) 272-1444.

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Technical Center 1700 General Information Telephone No. is (571) 272-1700. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Questions on access to the Private PAIR system should be directed to the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).



Basia Ridley
Primary Examiner
Art Unit 1764

BR

July 18, 2005